

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\  
 Data File : VL037069.D  
 Acq On : 1 Jun 2021 14:27  
 Operator : SY/AP  
 Sample : M2559-01DL 20X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jun 02 03:00:10 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue May 18 12:00:15 2021  
 QLast Update : Tue May 18 12:00:15 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1636463  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 4827836  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 4420326  | 10.00 | ppbv  | 0.00     |

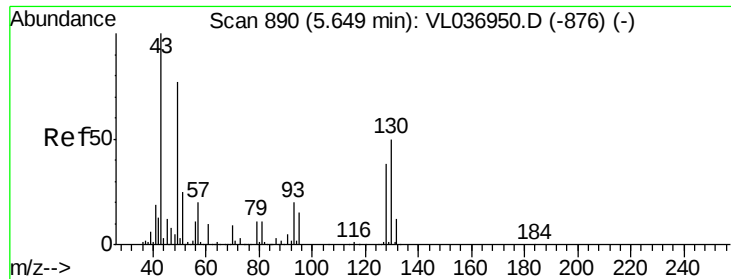
System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 3422700  | 10.31    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.10% |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 4) Chloromethane           | 3.13  | 50   | 3216     | 0.032 | ppbv # | 87     |
| 9) Propene                 | 3.00  | 41   | 26967    | 0.251 | ppbv   | 90     |
| 10) Heptane                | 8.10  | 43   | 1739869  | 6.503 | ppbv   | 99     |
| 13) Ethanol                | 3.61  | 45   | 82693    | 5.773 | ppbv # | 59     |
| 15) Acetone                | 3.84  | 43   | 994596   | 5.934 | ppbv   | 96     |
| 16) 1,3-Butadiene          | 3.30  | 39   | 5840     | 0.056 | ppbv # | 51     |
| 17) tert-Butyl alcohol     | 4.30  | 59   | 17473    | 0.114 | ppbv # | 30     |
| 19) Isopropyl Alcohol      | 3.97  | 45   | 32586    | 0.362 | ppbv # | 30     |
| 20) Methylene Chloride     | 4.33  | 84   | 254763   | 2.835 | ppbv   | 99     |
| 23) Vinyl Acetate          | 5.03  | 43   | 47462    | 0.178 | ppbv # | 1      |
| 25) Ethyl Acetate          | 5.67  | 43   | 255348   | 0.634 | ppbv # | 79     |
| 26) Hexane                 | 5.67  | 57   | 356303   | 1.732 | ppbv # | 48     |
| 27) Carbon Disulfide       | 4.54  | 76   | 13037    | 0.063 | ppbv # | 54     |
| 29) Chloroform             | 5.73  | 83   | 9497     | 0.033 | ppbv   | 88     |
| 30) Cyclohexane            | 7.10  | 84   | 22405    | 0.128 | ppbv # | 1      |
| 34) 2-Butanone             | 5.25  | 43   | 44176    | 0.251 | ppbv # | 61     |
| 36) Benzene                | 6.87  | 78   | 217181   | 0.522 | ppbv   | 96     |
| 39) 1,2-Dichloropropane    | 7.15  | 63   | 1159293  | 7.237 | ppbv # | 26     |
| 42) Bromodichloromethane   | 7.77  | 83   | 65553    | 0.210 | ppbv # | 26     |
| 44) 2,2,4-Trimethylpentane | 7.85  | 57   | 194038   | 0.272 | ppbv # | 1      |
| 50) 4-Methyl-2-Pentanone   | 8.74  | 43   | 73175    | 0.252 | ppbv # | 39     |
| 51) 2-Hexanone             | 10.11 | 43   | 6441     | 0.042 | ppbv # | 27     |
| 53) Toluene                | 9.78  | 91   | 4595007  | 9.286 | ppbv   | 99     |
| 58) Ethyl Benzene          | 12.69 | 91   | 430877   | 0.691 | ppbv   | 97     |
| 59) m/p-Xylene             | 12.94 | 91   | 1234302  | 2.393 | ppbv   | 99     |
| 60) o-Xylene               | 13.67 | 91   | 394129   | 0.801 | ppbv   | 100    |
| 62) Isopropylbenzene       | 14.65 | 105  | 350727   | 0.496 | ppbv   | 97     |
| 64) n-propylbenzene        | 15.54 | 120  | 13474    | 0.074 | ppbv # | 1      |
| 69) p-Isopropyltoluene     | 17.63 | 119  | 194216   | 0.260 | ppbv # | 92     |
| 72) 4-Ethyltoluene         | 15.82 | 105  | 154420   | 0.265 | ppbv # | 97     |
| 73) 1,3,5-Trimethylbenzene | 15.97 | 105  | 38348    | 0.070 | ppbv   | 99     |
| 74) 1,2,4-Trimethylbenzene | 16.74 | 105  | 329799   | 0.582 | ppbv # | 70     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

Instrument :

MSVOA\_L

ClientSampleId :

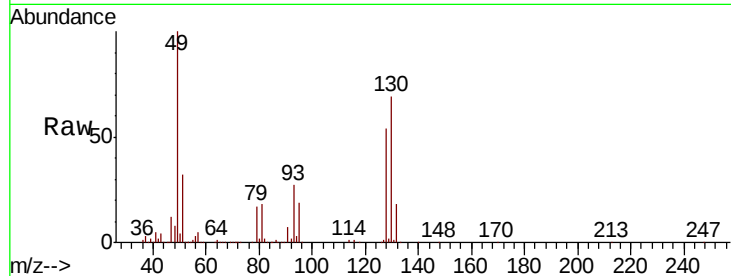
Tot Ion: 49 Resp: 1636463

Ion Ratio Lower Upper

49 100

128 56.2 26.9 80.7

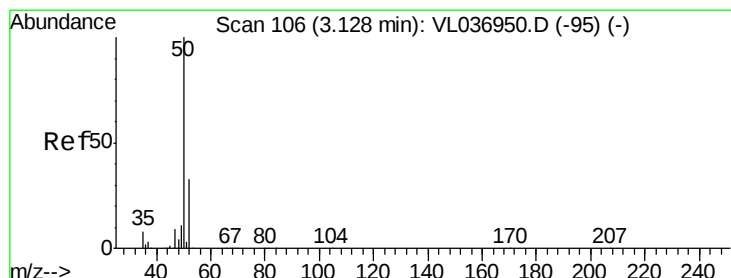
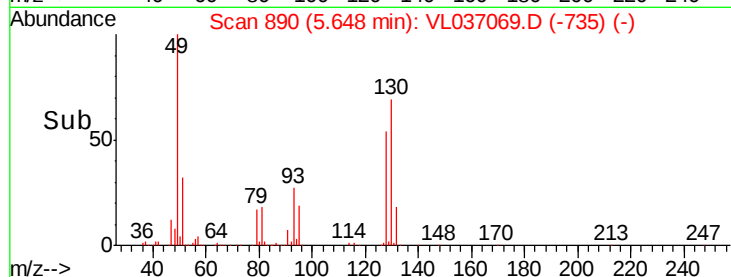
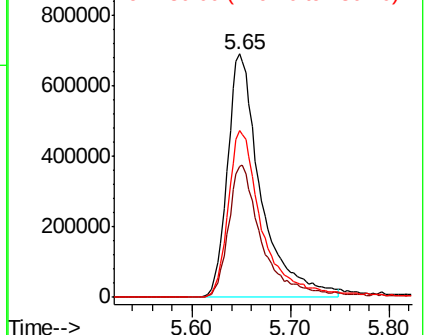
130 71.6 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#4

Chloromethane

Concen: 0.032 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037069.D

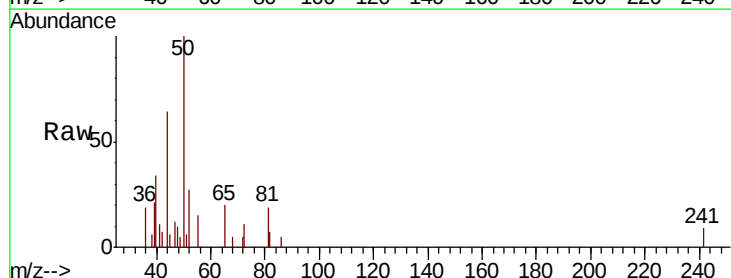
Acq: 1 Jun 2021 14:27

Tgt Ion: 50 Resp: 3216

Ion Ratio Lower Upper

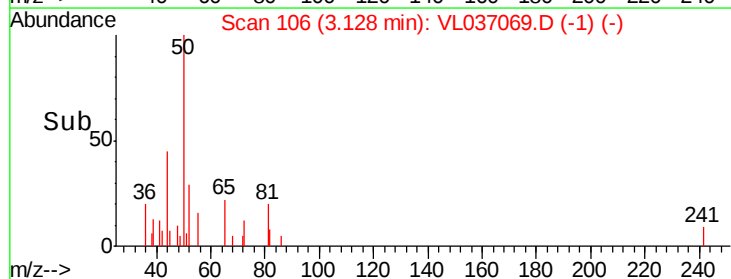
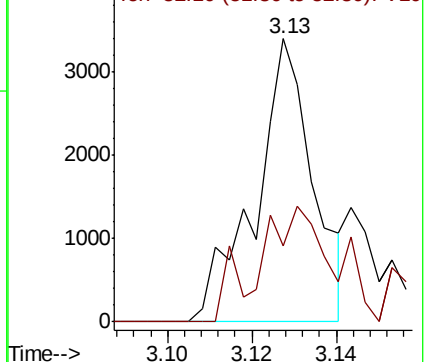
50 100

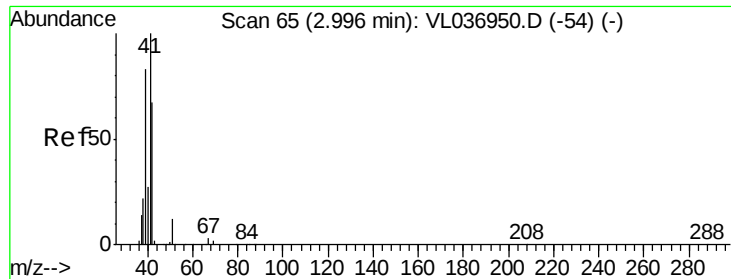
52 25.4 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.251 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

Instrument :

MSVOA\_L

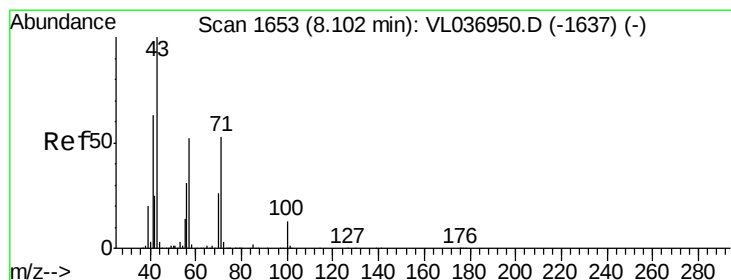
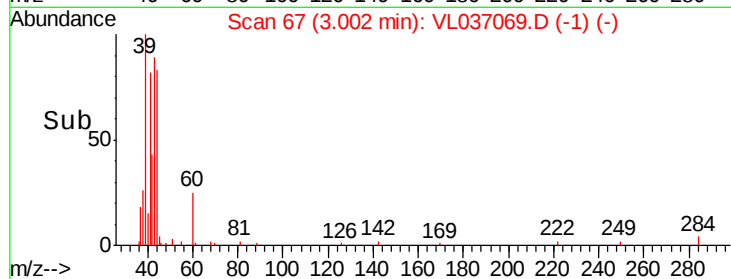
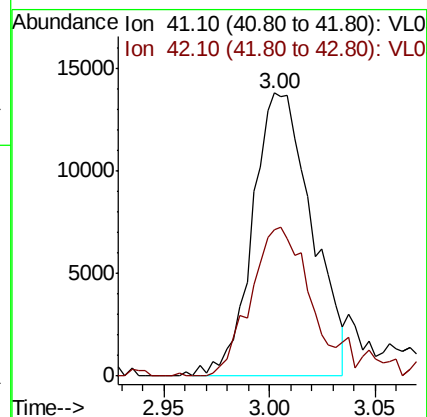
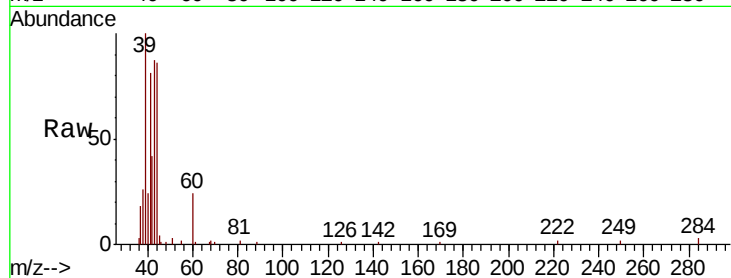
ClientSampleId :

Tot Ion: 41 Resp: 26967

Ion Ratio Lower Upper

41 100

42 59.6 53.9 80.9



#10

Heptane

Concen: 6.503 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037069.D

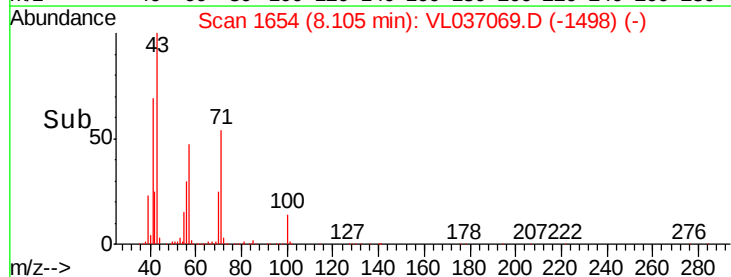
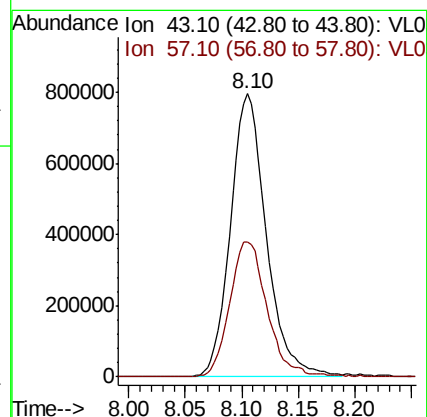
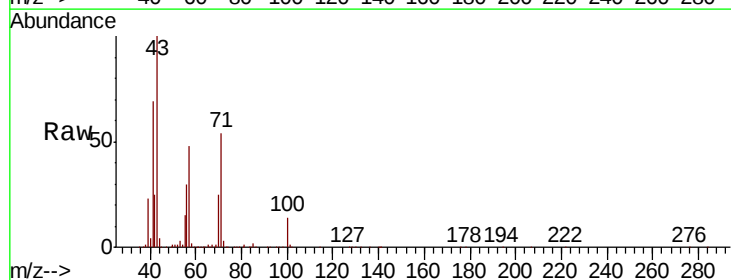
Acq: 1 Jun 2021 14:27

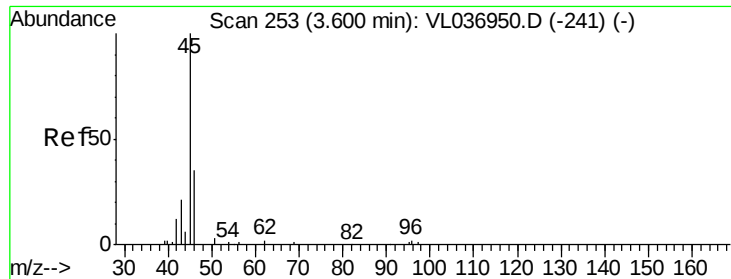
Tgt Ion: 43 Resp: 1739869

Ion Ratio Lower Upper

43 100

57 50.3 41.0 61.6

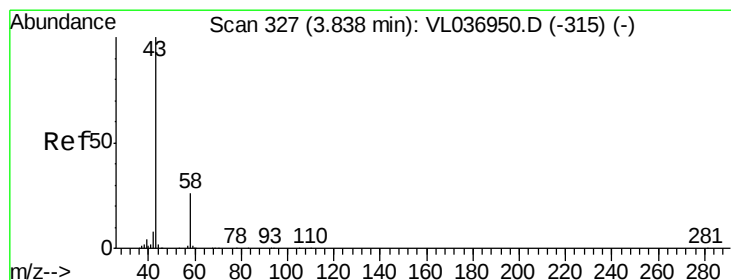
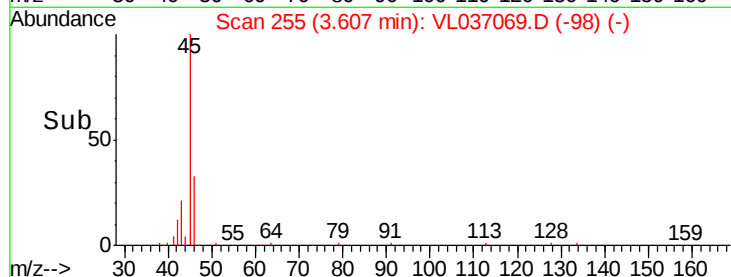
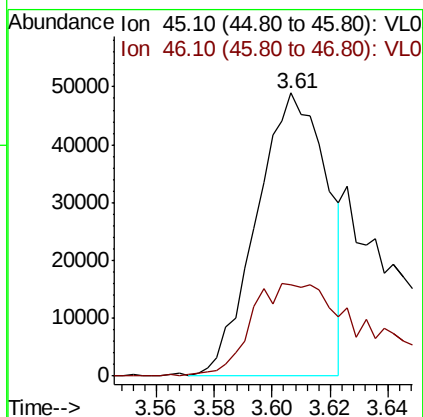
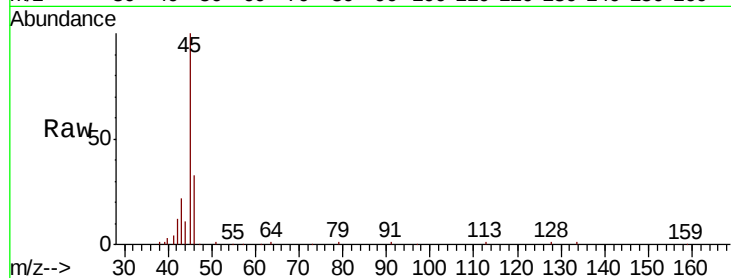




#13  
Ethanol  
Concen: 5.773 ppbv  
RT: 3.61 min Scan# 255  
Delta R.T. 0.01 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

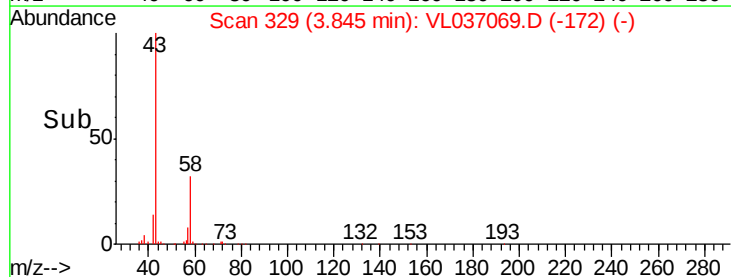
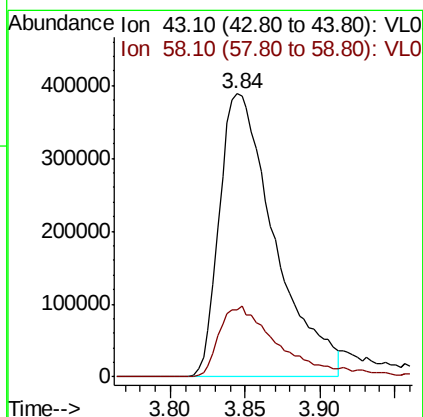
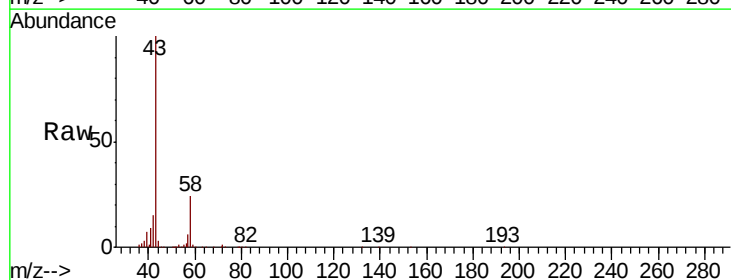
Instrument :  
MSVOA\_L  
ClientSampleId :

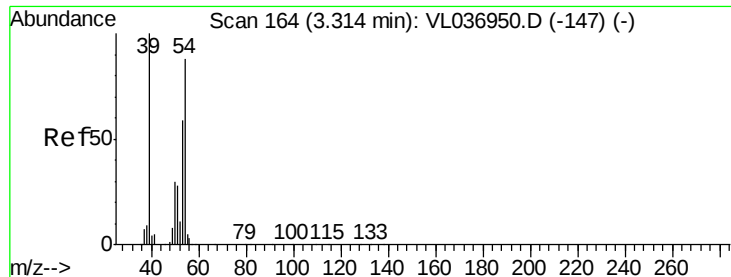
Tot Ion: 45 Resp: 82693  
Ion Ratio Lower Upper  
45 100  
46 66.4 16.3 65.3#



#15  
Acetone  
Concen: 5.934 ppbv  
RT: 3.84 min Scan# 329  
Delta R.T. 0.01 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

Tgt Ion: 43 Resp: 994596  
Ion Ratio Lower Upper  
43 100  
58 28.1 24.0 36.0

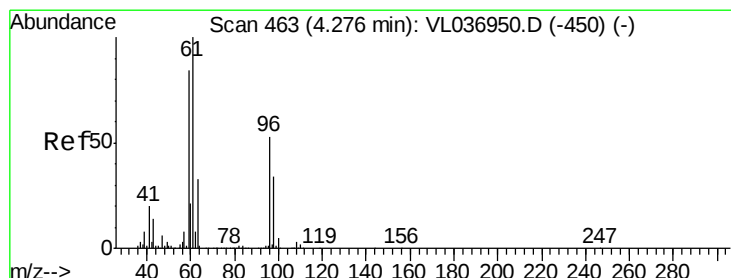
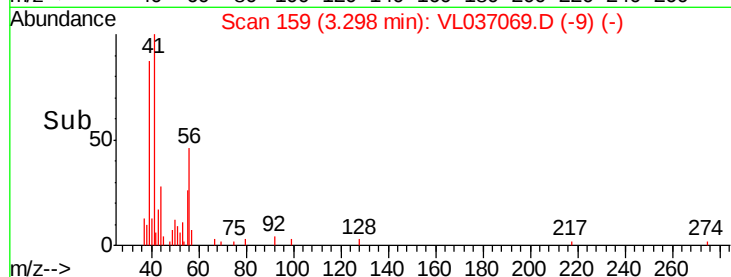
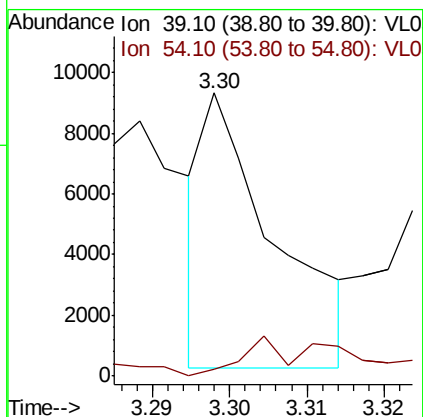
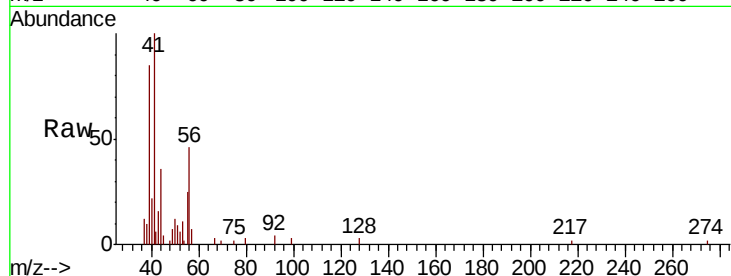




#16  
1,3-Butadiene  
Concen: 0.056 ppbv  
RT: 3.30 min Scan# 159  
Delta R.T. -0.02 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

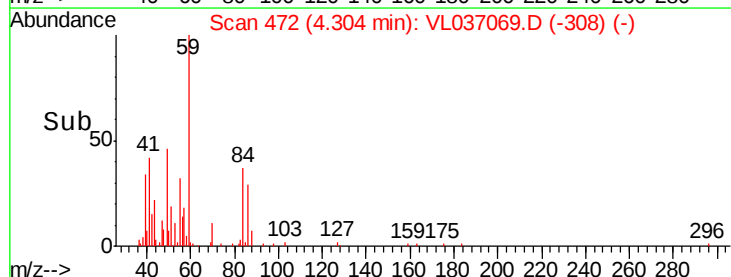
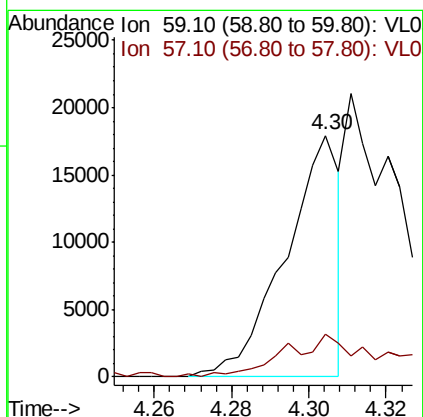
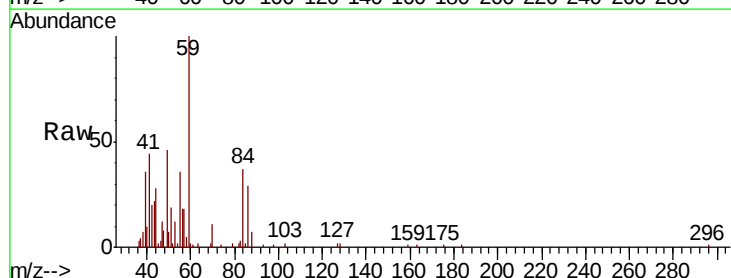
Instrument :  
MSVOA\_L  
ClientSampled :

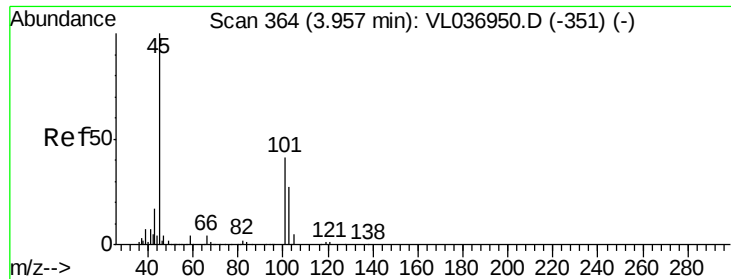
Tot Ion: 39 Resp: 5840  
Ion Ratio Lower Upper  
39 100  
54 35.7 63.2 94.8#



#17  
tert-Butyl alcohol  
Concen: 0.114 ppbv  
RT: 4.30 min Scan# 472  
Delta R.T. 0.03 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

Tgt Ion: 59 Resp: 17473  
Ion Ratio Lower Upper  
59 100  
57 36.4 8.3 12.5#



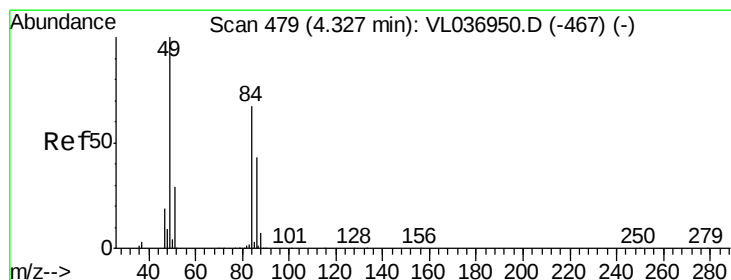
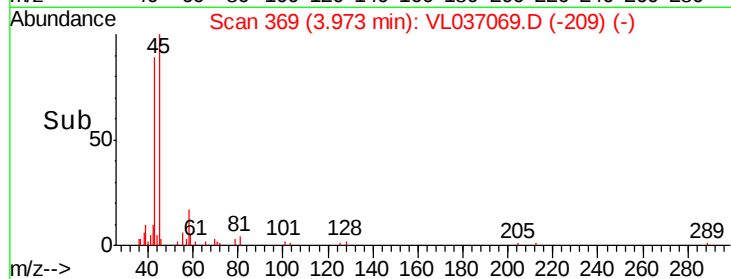
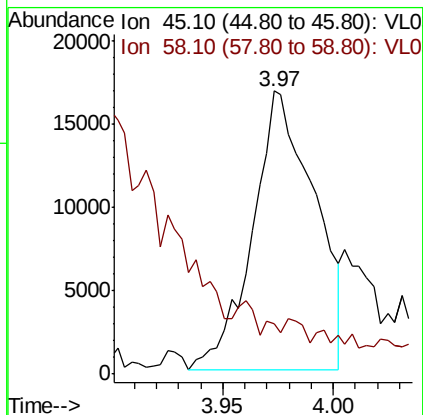
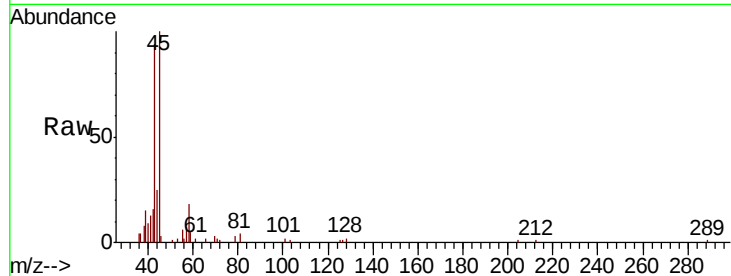


#19

Isopropyl Alcohol  
 Concen: 0.362 ppbv  
 RT: 3.97 min Scan# 369  
 Delta R.T. 0.02 min  
 Lab File: VL037069.D  
 Acq: 1 Jun 2021 14:27

Instrument :  
 MSVOA\_L  
 ClientSampleId :

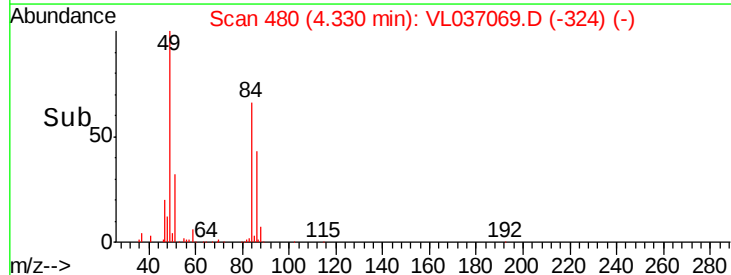
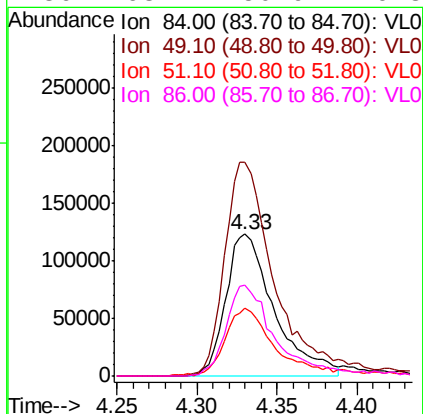
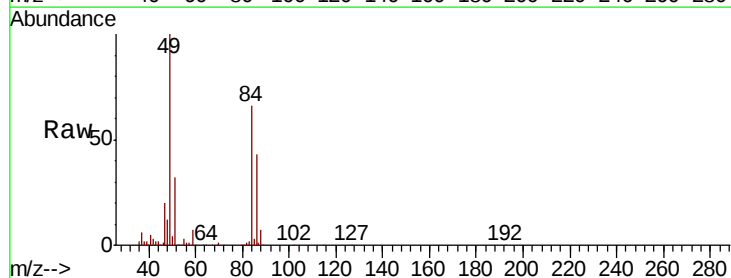
Tot Ion: 45 Resp: 32586  
 Ion Ratio Lower Upper  
 45 100  
 58 0.0 37.2 55.8#

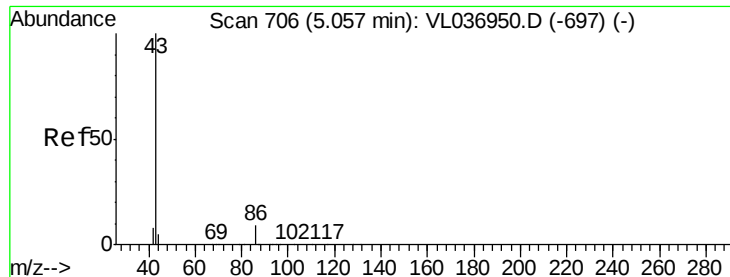


#20

Methylene Chloride  
 Concen: 2.835 ppbv  
 RT: 4.33 min Scan# 480  
 Delta R.T. 0.00 min  
 Lab File: VL037069.D  
 Acq: 1 Jun 2021 14:27

Tgt Ion: 84 Resp: 254763  
 Ion Ratio Lower Upper  
 84 100  
 49 149.5 119.8 179.6  
 51 46.7 35.1 52.7  
 86 63.7 50.9 76.3





#23

Vinyl Acetate

Concen: 0.178 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.02 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

Instrument :

MSVOA\_L

ClientSampleId :

Tot Ion: 43 Resp: 47462

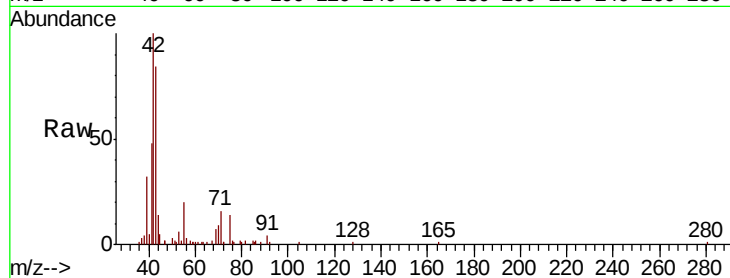
Ion Ratio Lower Upper

43 100

86 1.9 5.8 8.8#

42 120.0 7.4 11.2#

44 4.6 3.3 4.9

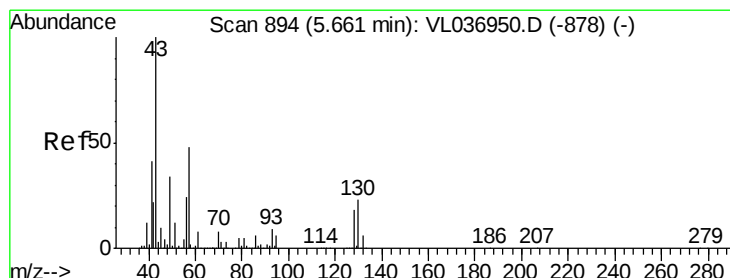
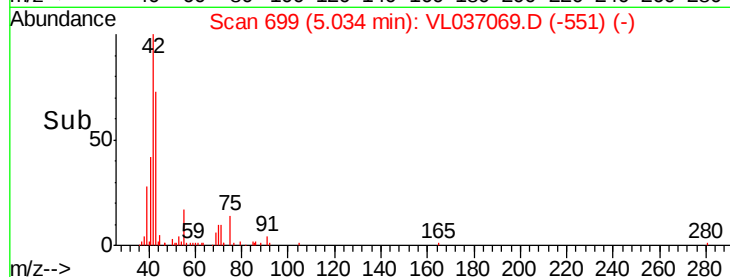
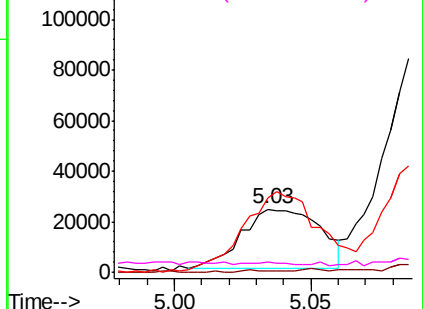


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.634 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

Tgt Ion: 43 Resp: 255348

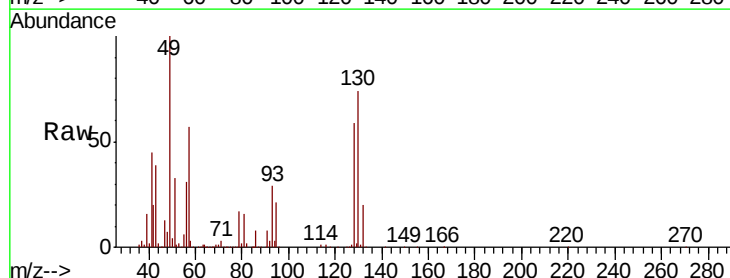
Ion Ratio Lower Upper

43 100

45 1.3 7.8 11.8#

61 0.9 7.8 11.8#

70 2.2 5.6 8.4#

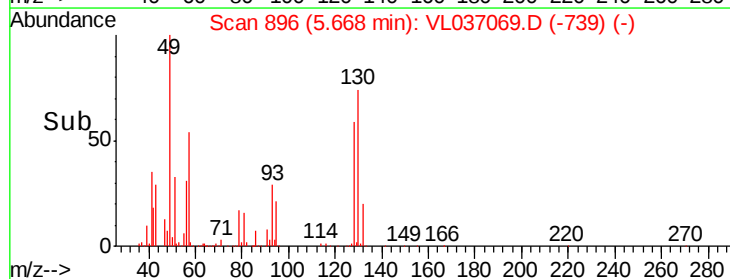
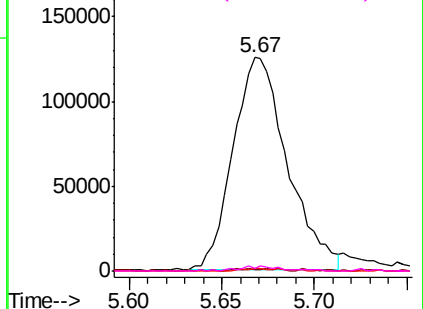


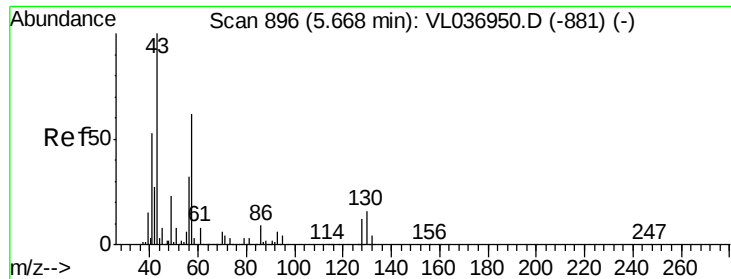
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

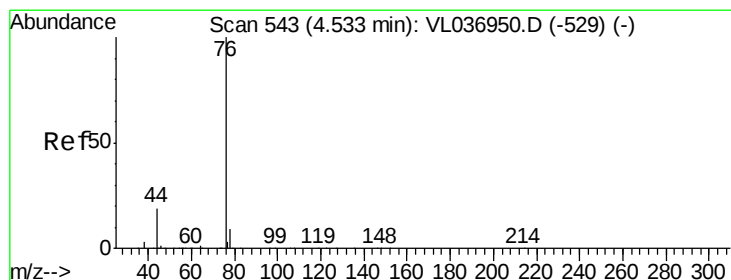
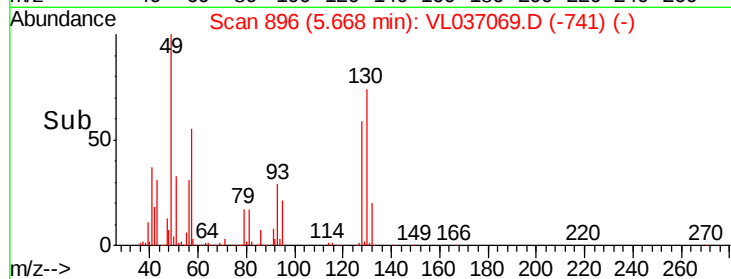
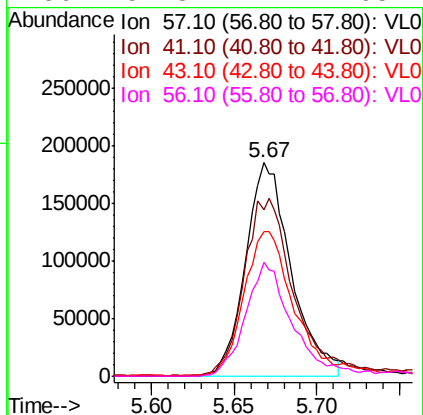
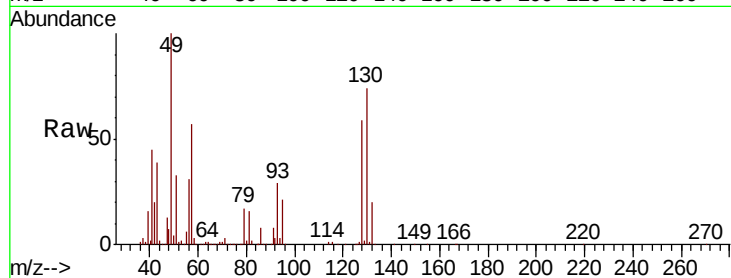




#26  
Hexane  
Concen: 1.732 ppbv  
RT: 5.67 min Scan# 896  
Delta R.T. -0.00 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

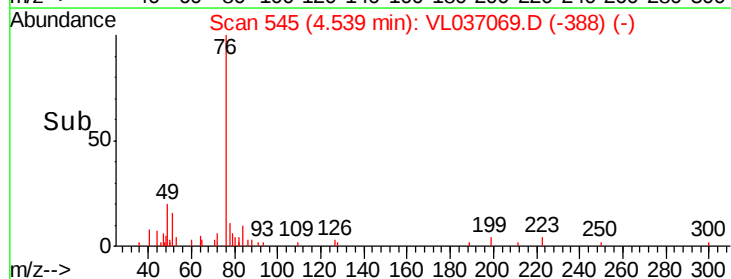
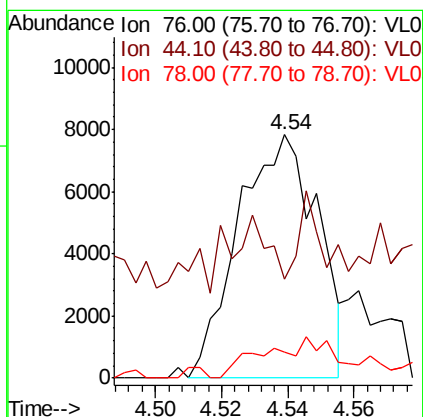
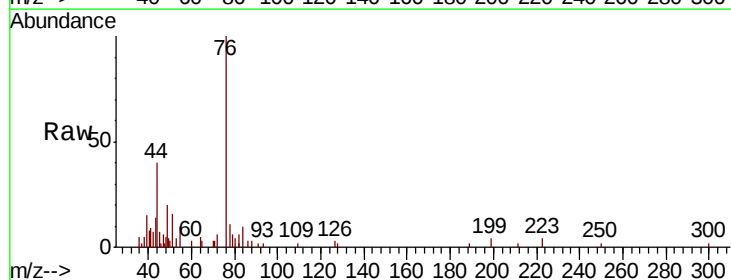
Instrument :  
MSVOA\_L  
ClientSampled :

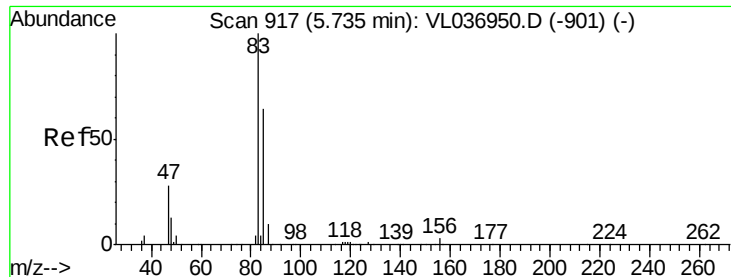
Tot Ion: 57 Resp: 356303  
Ion Ratio Lower Upper  
57 100  
41 95.4 70.5 105.7  
43 77.8 165.8 248.8#  
56 54.3 42.2 63.4



#27  
Carbon Disulfide  
Concen: 0.063 ppbv  
RT: 4.54 min Scan# 545  
Delta R.T. 0.01 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

Tgt Ion: 76 Resp: 13037  
Ion Ratio Lower Upper  
76 100  
44 44.9 15.5 23.3#  
78 19.2 7.8 11.6#





#29

Chloroform

Concen: 0.033 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.00 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

Instrument :

MSVOA\_L

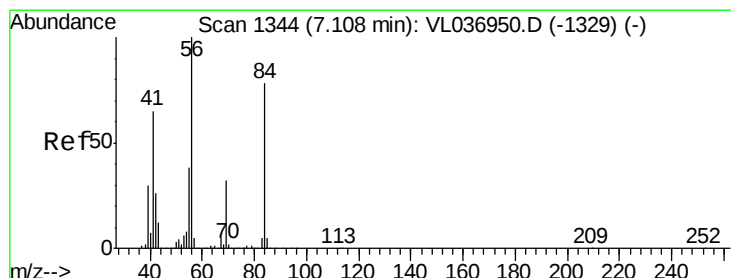
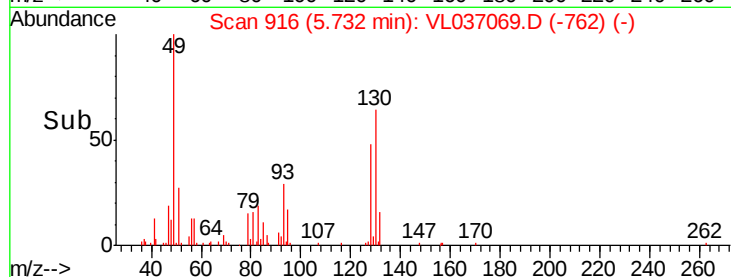
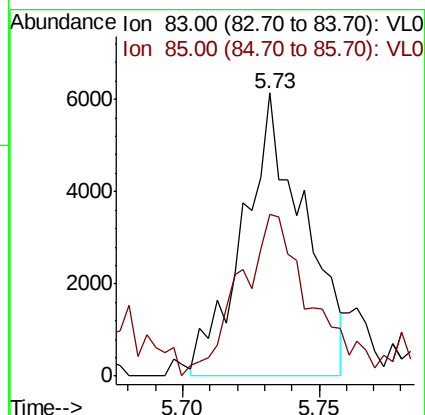
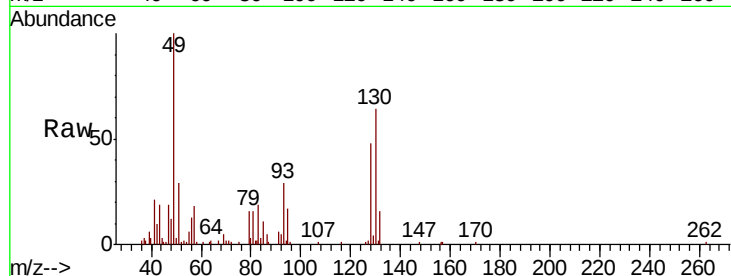
ClientSampleId :

Tot Ion: 83 Resp: 9497

Ion Ratio Lower Upper

83 100

85 54.7 51.1 76.7



#30

Cyclohexane

Concen: 0.128 ppbv

RT: 7.10 min Scan# 1343

Delta R.T. -0.00 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

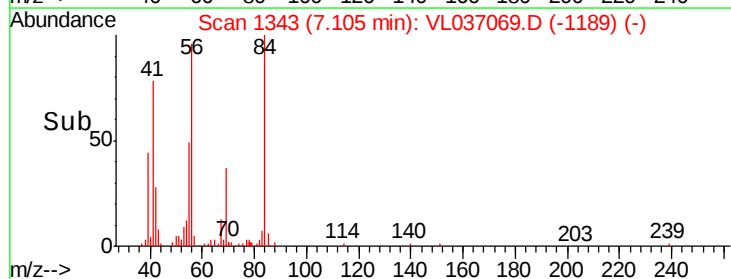
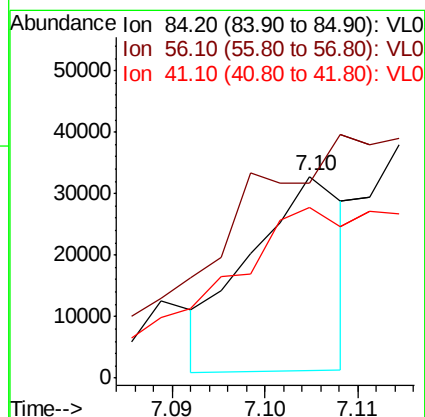
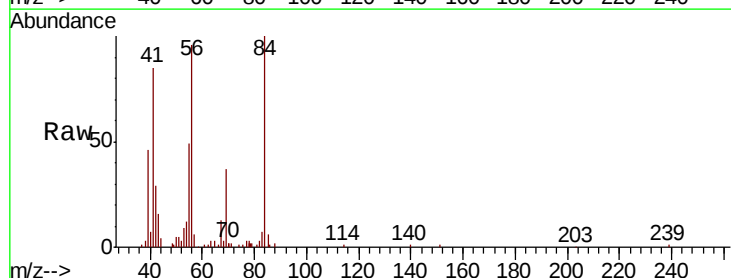
Tgt Ion: 84 Resp: 22405

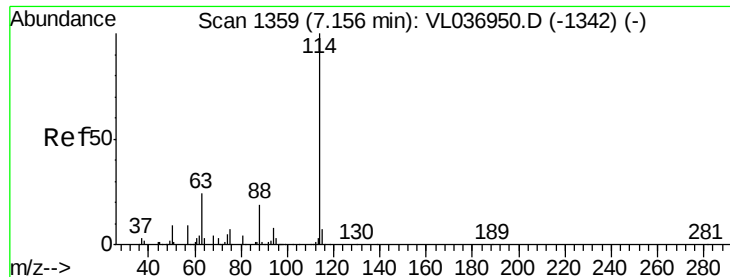
Ion Ratio Lower Upper

84 100

56 335.6 107.9 161.9#

41 236.4 65.5 98.3#

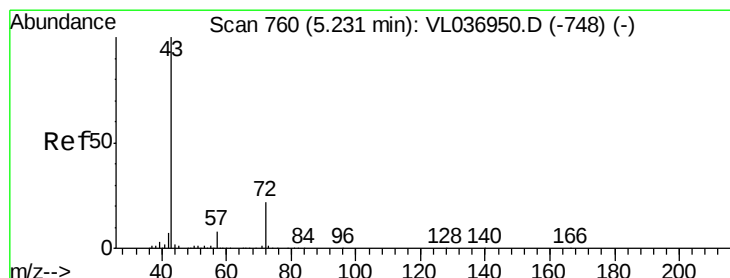
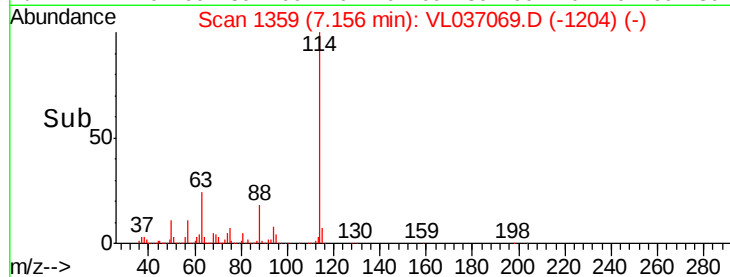
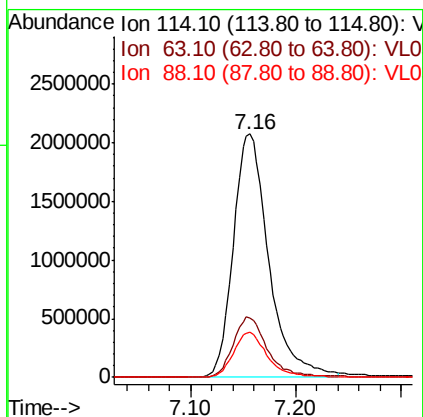
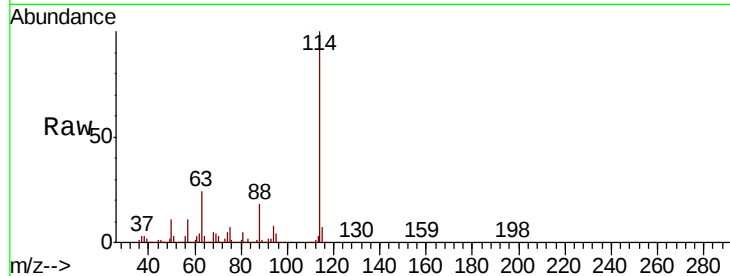




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.16 min Scan# 1359  
 Delta R.T. -0.00 min  
 Lab File: VL037069.D  
 Acq: 1 Jun 2021 14:27

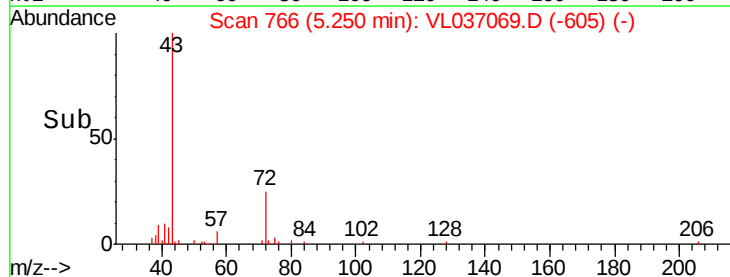
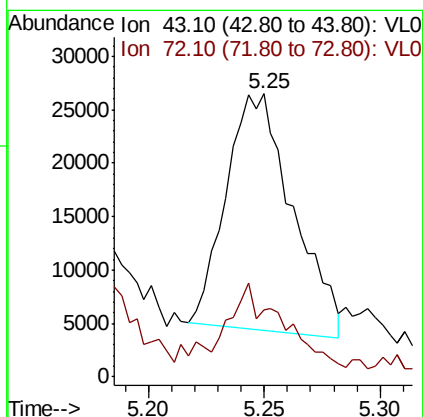
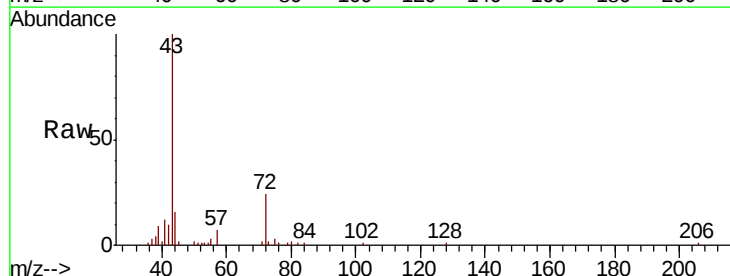
Instrument :  
 MSVOA\_L  
 ClientSampled :

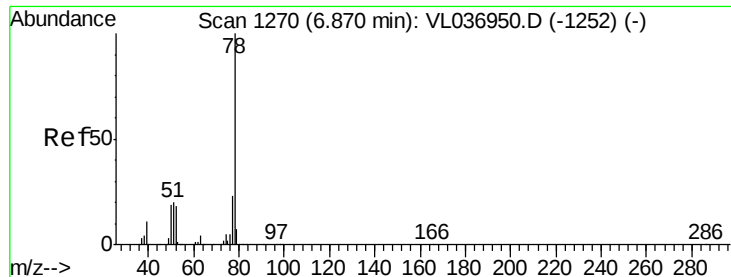
Tot Ion:114 Resp: 4827836  
 Ion Ratio Lower Upper  
 114 100  
 63 24.5 19.6 29.4  
 88 18.1 14.6 21.8



#34  
 2-Butanone  
 Concen: 0.251 ppbv  
 RT: 5.25 min Scan# 766  
 Delta R.T. 0.02 min  
 Lab File: VL037069.D  
 Acq: 1 Jun 2021 14:27

Tgt Ion: 43 Resp: 44176  
 Ion Ratio Lower Upper  
 43 100  
 72 42.9 19.0 28.4#

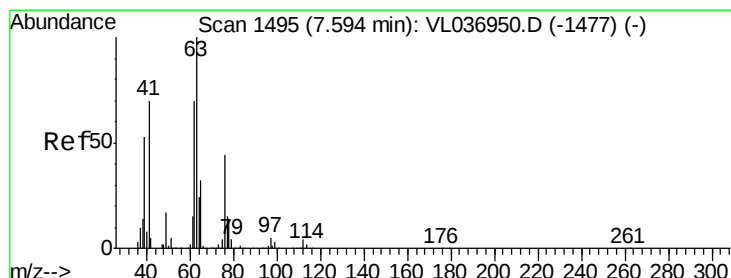
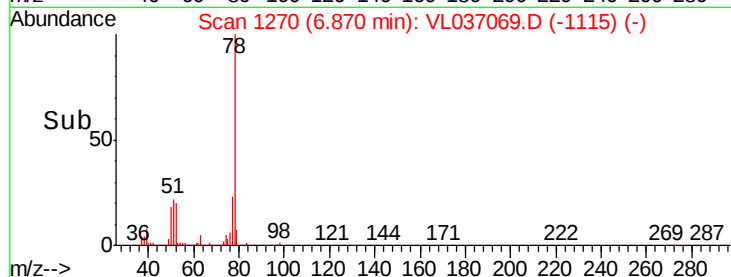
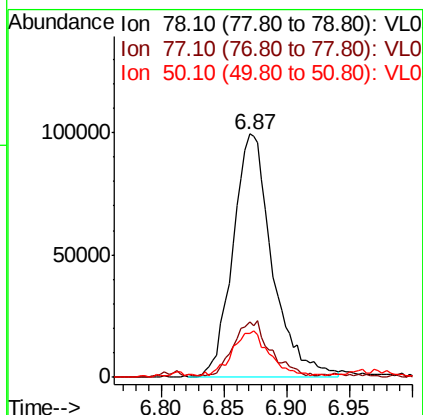
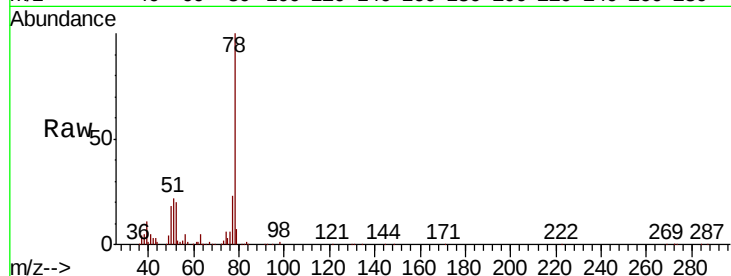




#36  
Benzene  
Concen: 0.522 ppbv  
RT: 6.87 min Scan# 1270  
Delta R.T. -0.00 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

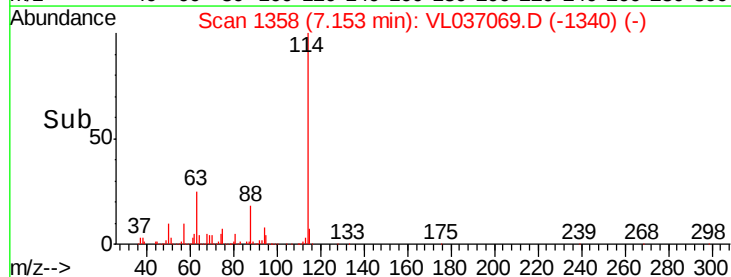
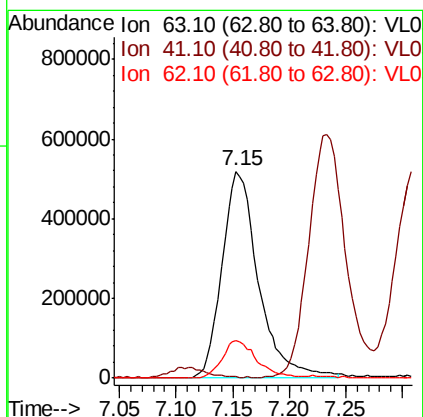
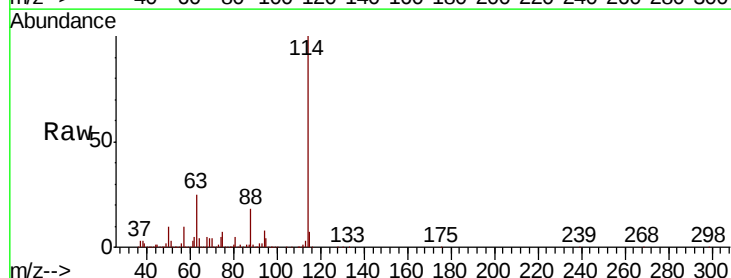
Instrument :  
MSVOA\_L  
ClientSampleId :

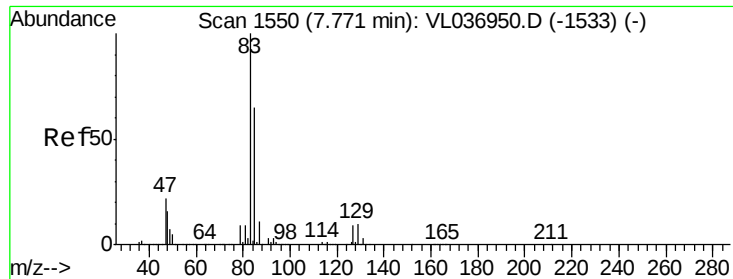
Tot Ion: 78 Resp: 217181  
Ion Ratio Lower Upper  
78 100  
77 21.7 18.6 28.0  
50 17.0 15.0 22.4



#39  
1,2-Dichloropropane  
Concen: 7.237 ppbv  
RT: 7.15 min Scan# 1358  
Delta R.T. -0.44 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

Tgt Ion: 63 Resp: 1159293  
Ion Ratio Lower Upper  
63 100  
41 0.0 55.7 83.5#  
62 18.1 56.2 84.4#





#42

Bromodichloromethane

Concen: 0.210 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

Instrument :  
MSVOA\_L  
ClientSampleId :

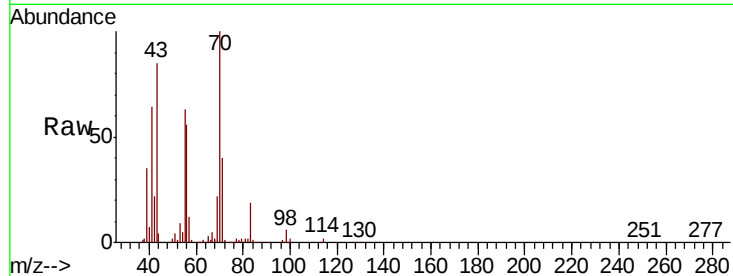
Tot Ion: 83 Resp: 65553

Ion Ratio Lower Upper

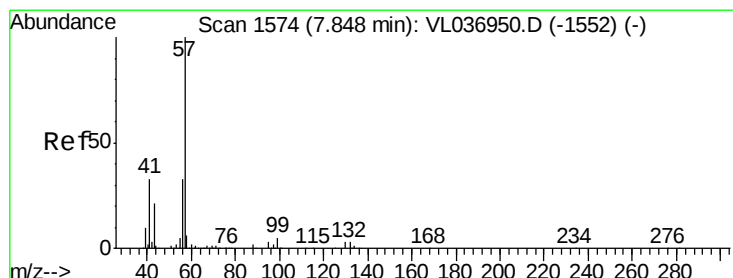
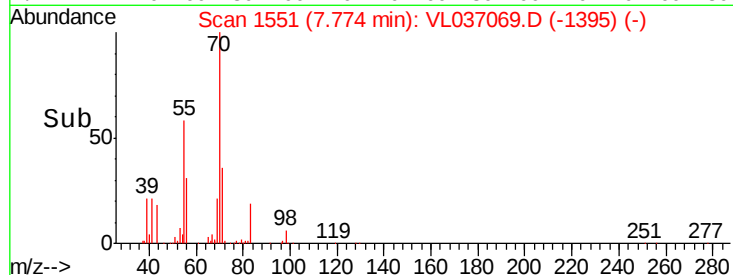
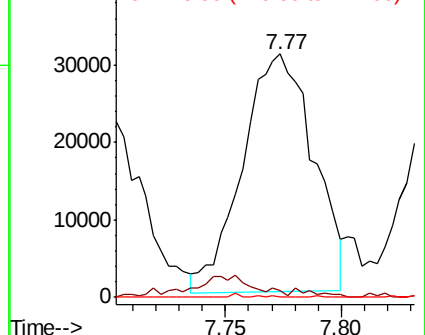
83 100

85 1.3 51.7 77.5#

127 0.0 6.9 10.3#



Abundance Ion 83.00 (82.70 to 83.70): VL0  
Ion 85.00 (84.70 to 85.70): VL0  
Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.272 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

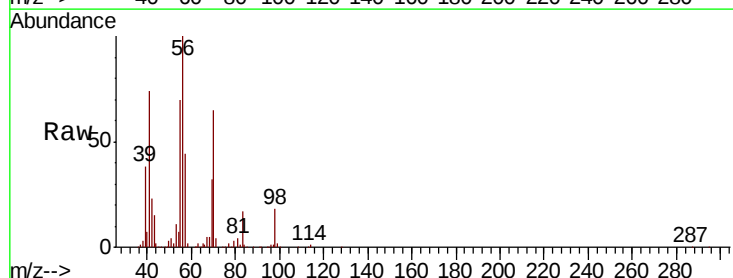
Tgt Ion: 57 Resp: 194038

Ion Ratio Lower Upper

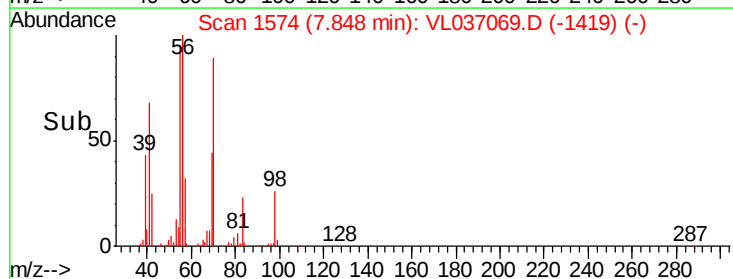
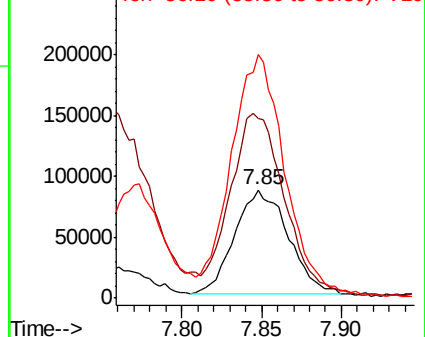
57 100

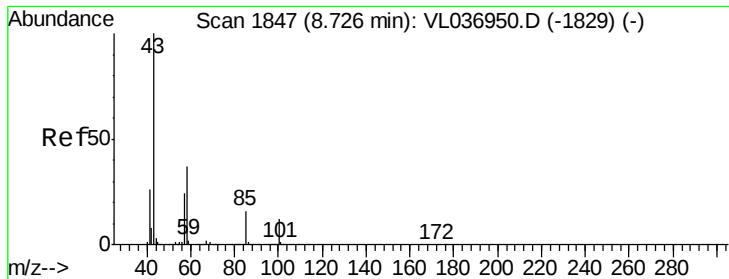
41 180.4 27.0 40.4#

56 240.6 25.4 38.2#



Abundance Ion 57.10 (56.80 to 57.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0  
Ion 56.10 (55.80 to 56.80): VL0

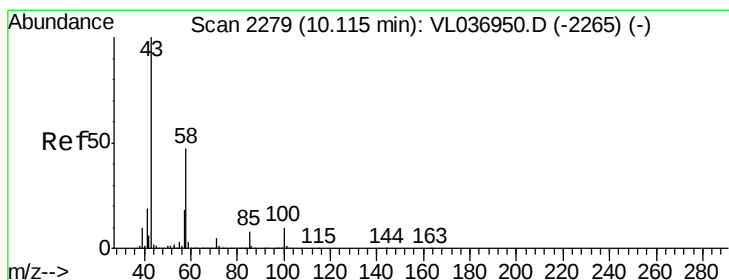
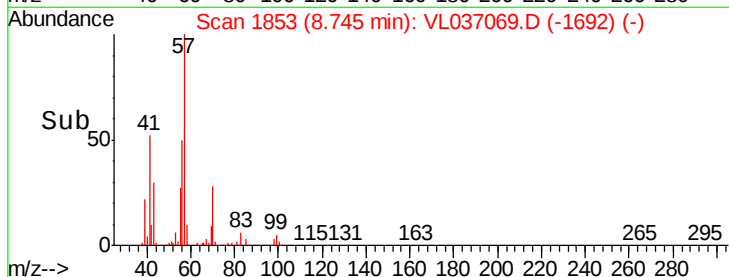
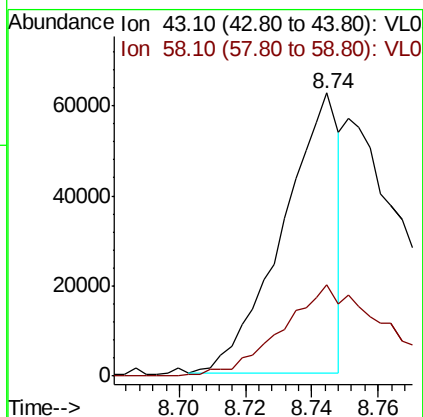
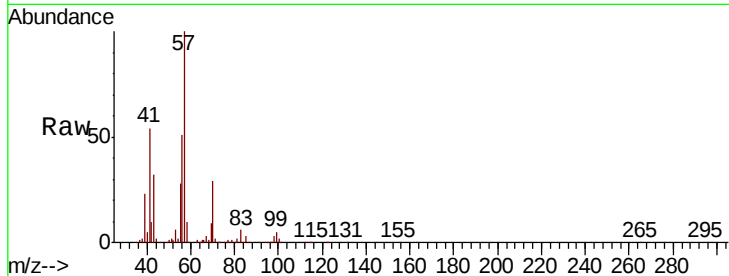




#50  
4-Methyl-2-Pentanone  
Concen: 0.252 ppbv  
RT: 8.74 min Scan# 1853  
Delta R.T. 0.02 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

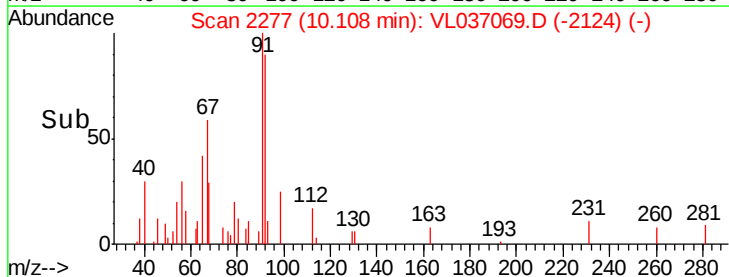
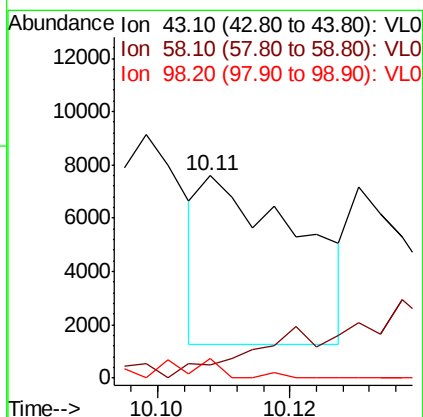
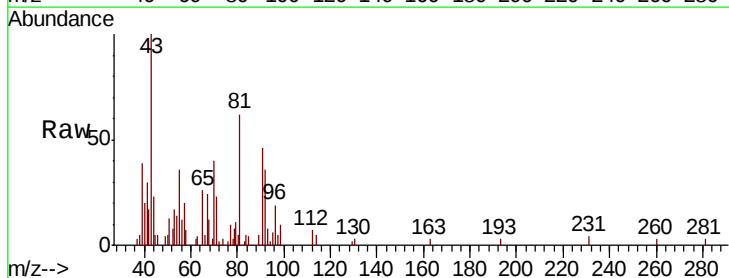
Instrument :  
MSVOA\_L  
ClientSampleId :

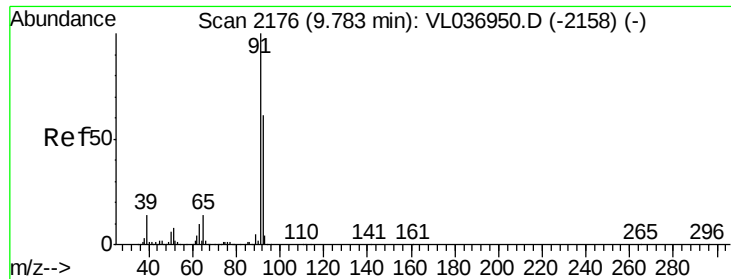
Tot Ion: 43 Resp: 73175  
Ion Ratio Lower Upper  
43 100  
58 73.1 29.4 44.2#



#51  
2-Hexanone  
Concen: 0.042 ppbv  
RT: 10.11 min Scan# 2277  
Delta R.T. -0.01 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

Tgt Ion: 43 Resp: 6441  
Ion Ratio Lower Upper  
43 100  
58 0.0 41.1 61.7#  
98 0.0 0.1 0.1#





#53

Toluene

Concen: 9.286 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

Instrument :

MSVOA\_L

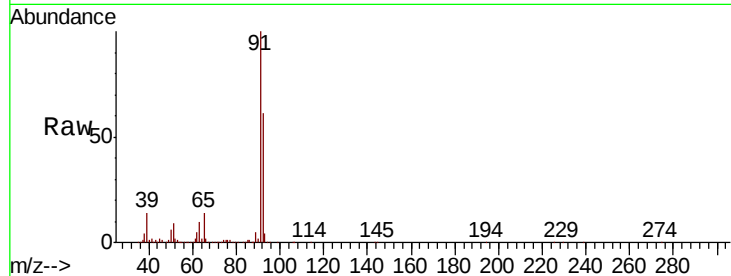
ClientSampleId :

Tot Ion: 91 Resp: 4595007

Ion Ratio Lower Upper

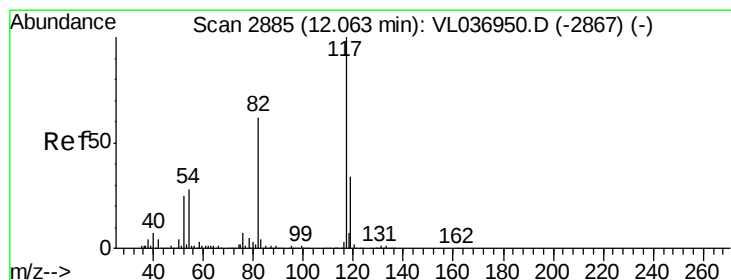
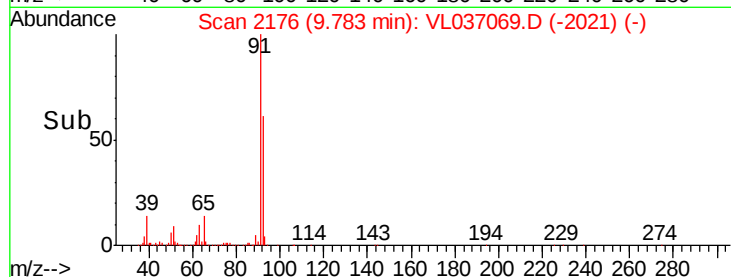
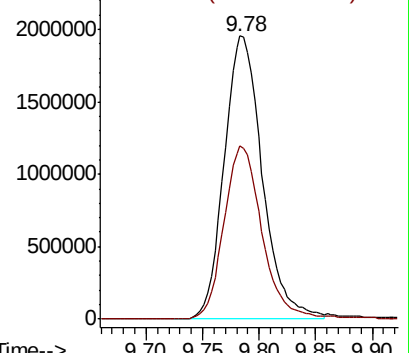
91 100

92 61.4 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

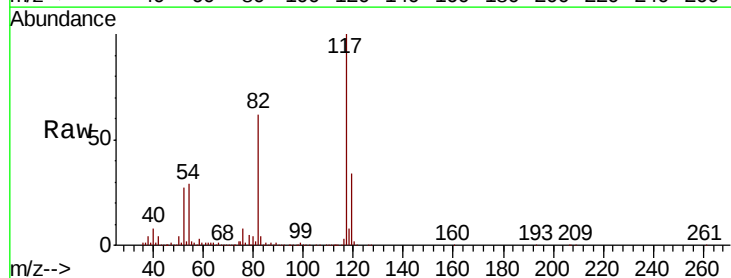
Tgt Ion: 117 Resp: 4420326

Ion Ratio Lower Upper

117 100

82 63.6 52.6 79.0

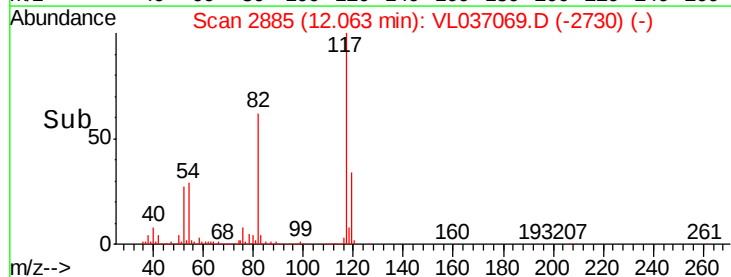
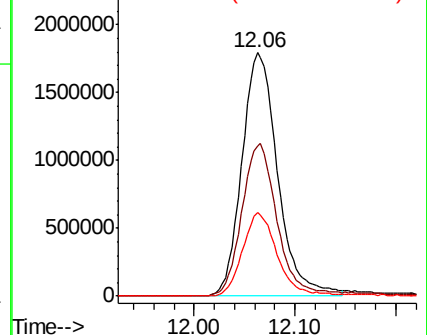
119 34.5 46.6 70.0#

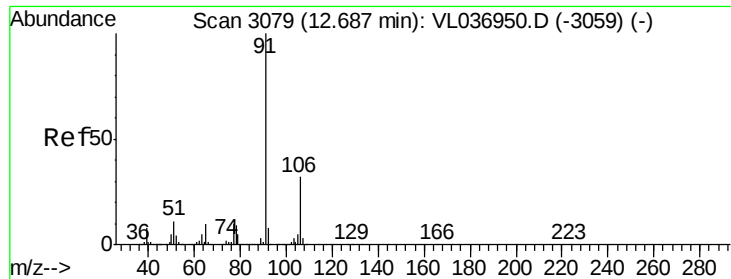


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.691 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.00 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

Instrument :

MSVOA\_L

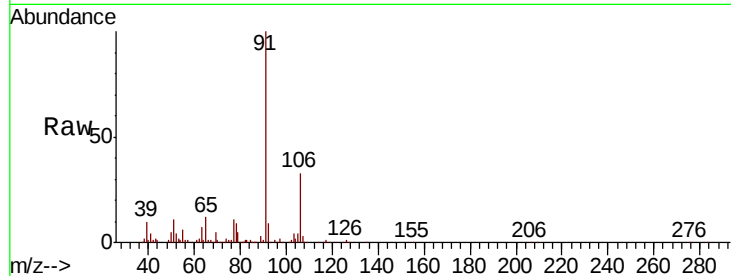
ClientSampleId :

Tot Ion: 91 Resp: 430877

Ion Ratio Lower Upper

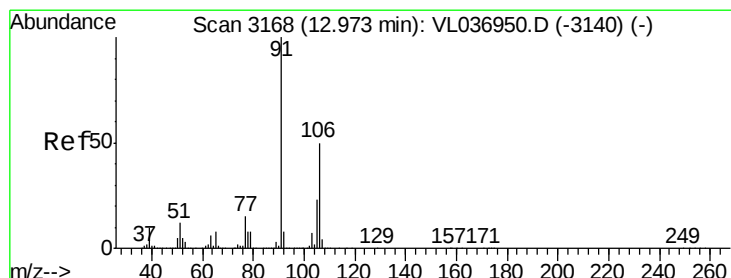
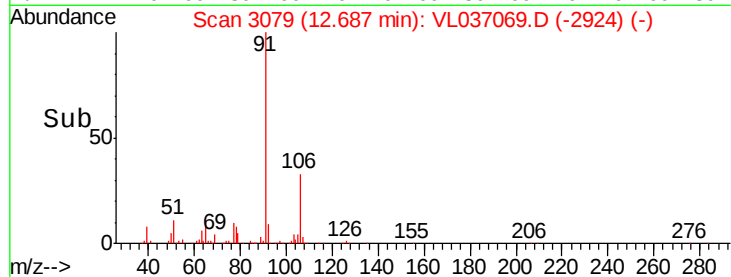
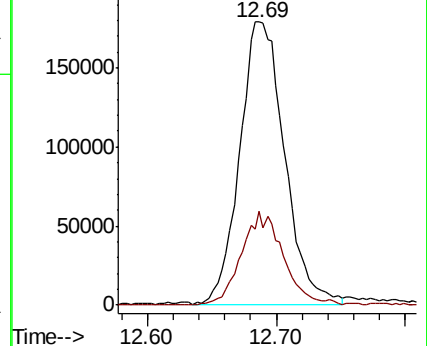
91 100

106 33.4 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 2.393 ppbv

RT: 12.94 min Scan# 3159

Delta R.T. -0.03 min

Lab File: VL037069.D

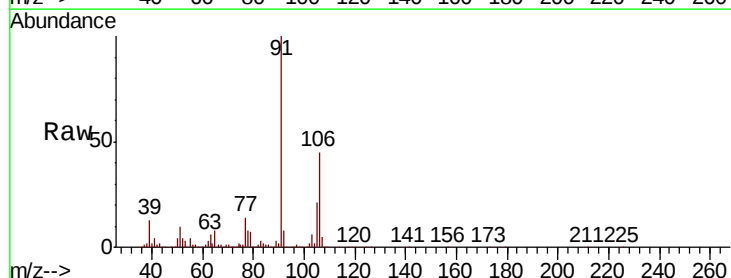
Acq: 1 Jun 2021 14:27

Tgt Ion: 91 Resp: 1234302

Ion Ratio Lower Upper

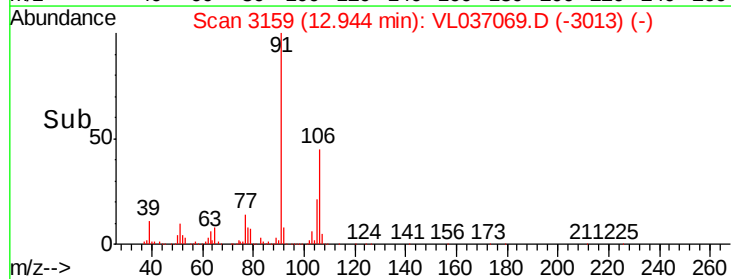
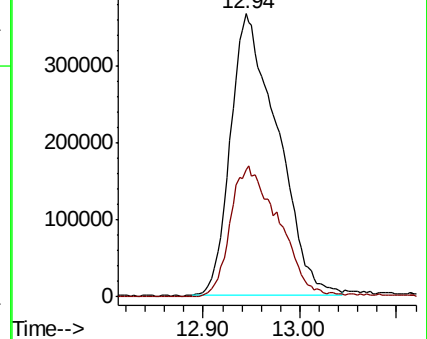
91 100

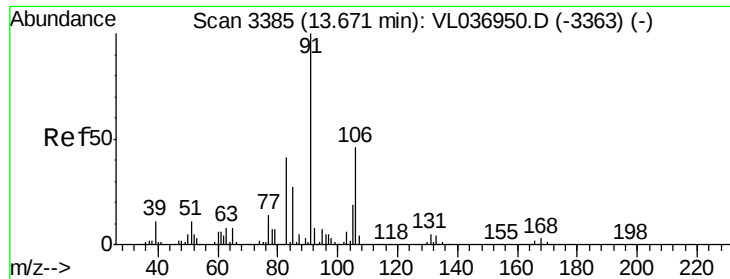
106 47.8 37.4 56.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

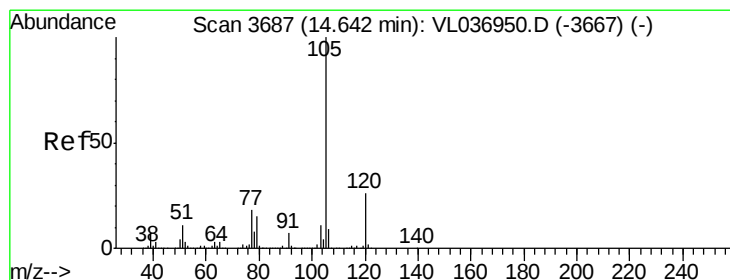
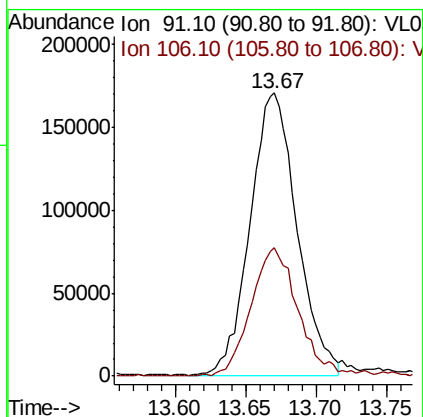
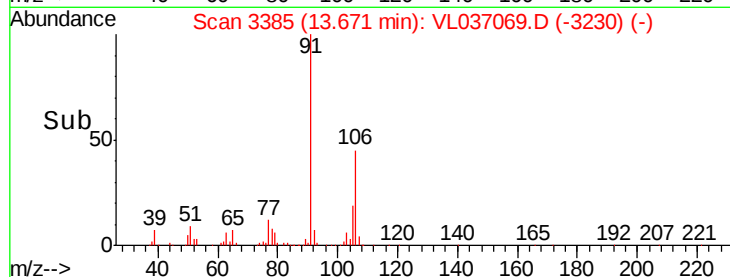
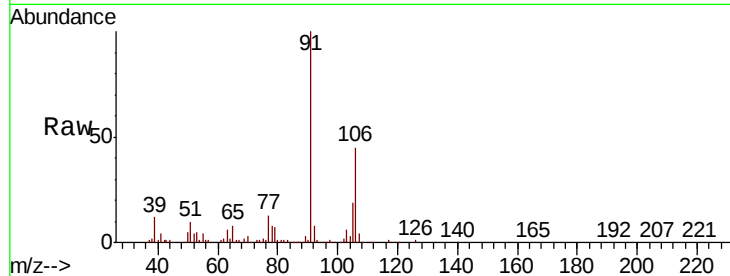




#60  
o-Xylene  
Concen: 0.801 ppbv  
RT: 13.67 min Scan# 3385  
Delta R.T. -0.00 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

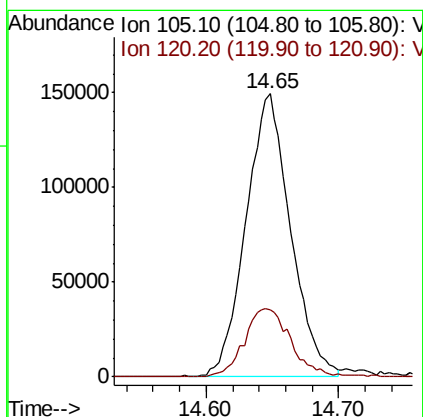
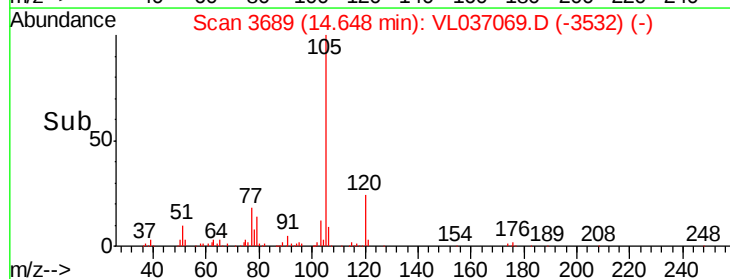
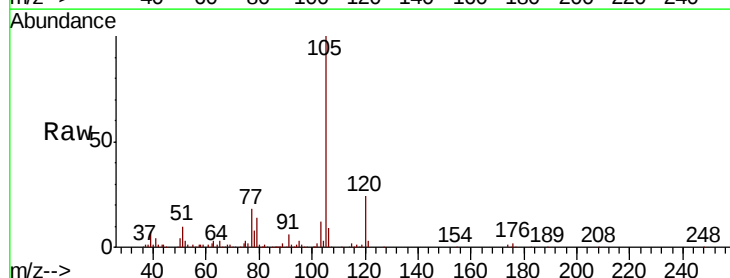
Instrument :  
MSVOA\_L  
ClientSampleId :

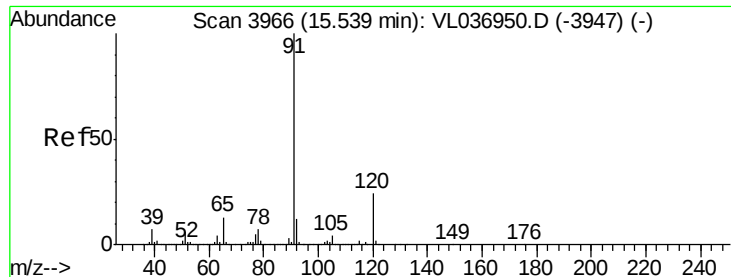
Tot Ion: 91 Resp: 394129  
Ion Ratio Lower Upper  
91 100  
106 46.9 23.4 70.3



#62  
Isopropylbenzene  
Concen: 0.496 ppbv  
RT: 14.65 min Scan# 3689  
Delta R.T. 0.01 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

Tgt Ion: 105 Resp: 350727  
Ion Ratio Lower Upper  
105 100  
120 25.5 21.7 32.5

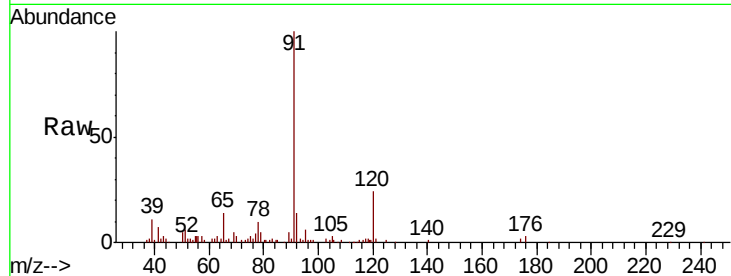




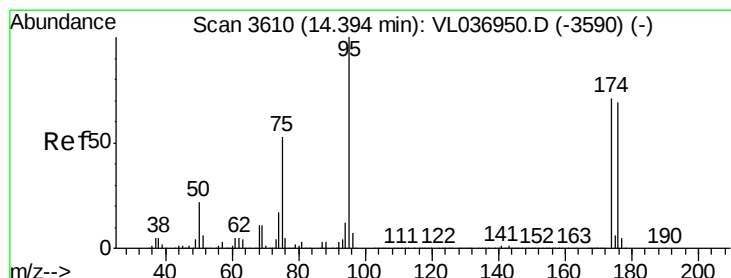
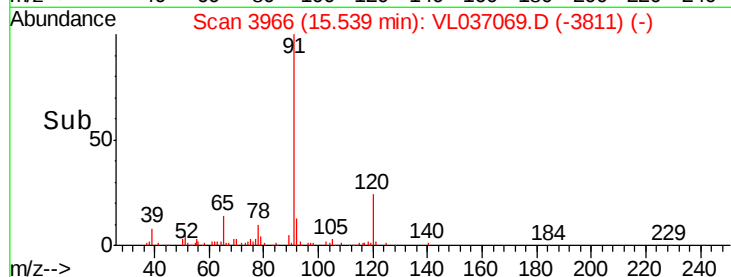
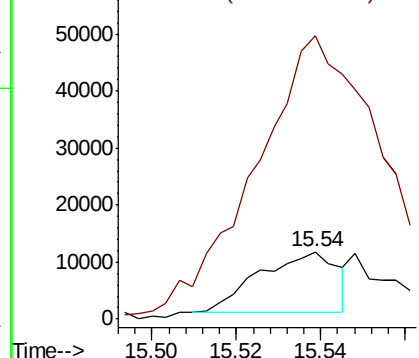
#64  
n-propylbenzene  
Concen: 0.074 ppbv  
RT: 15.54 min Scan# 3966  
Delta R.T. -0.00 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

Instrument :  
MSVOA\_L  
ClientSampled :

Tot Ion:120 Resp: 13474  
Ion Ratio Lower Upper  
120 100  
91 843.4 343.8 515.6#

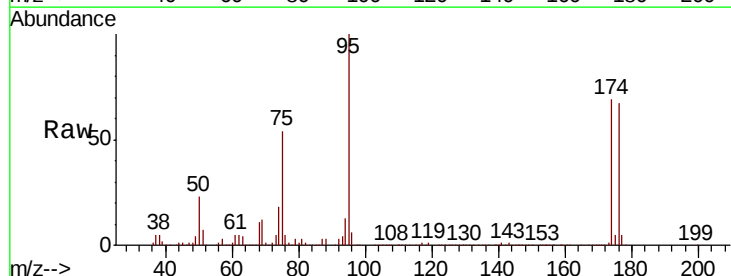


Abundance Ion 120.20 (119.90 to 120.90): V  
Ion 91.10 (90.80 to 91.80): VL0

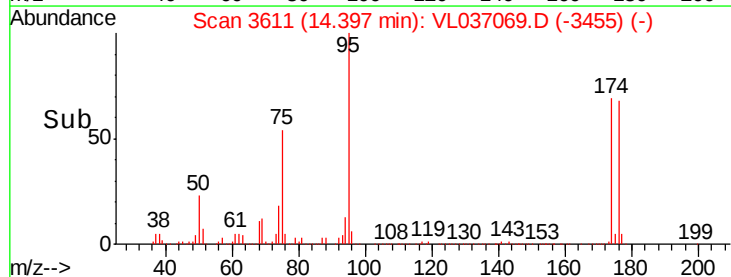
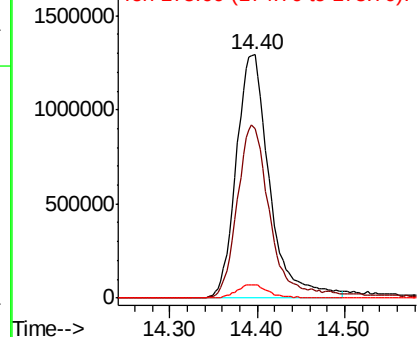


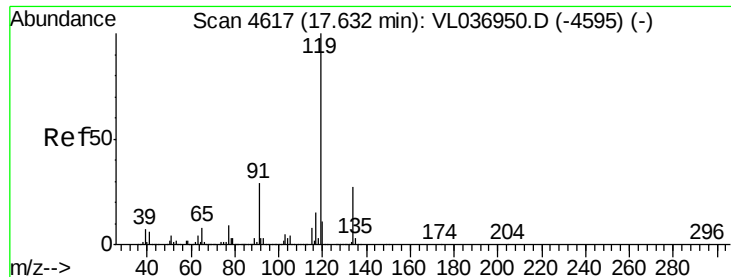
#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.307 ppbv  
RT: 14.40 min Scan# 3611  
Delta R.T. 0.00 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

Tgt Ion: 95 Resp: 3422700  
Ion Ratio Lower Upper  
95 100  
174 72.9 58.4 87.6  
175 5.6 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0  
Ion 174.00 (173.70 to 174.70): V  
Ion 175.00 (174.70 to 175.70): V

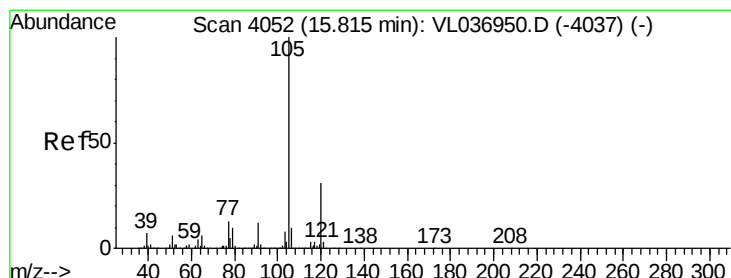
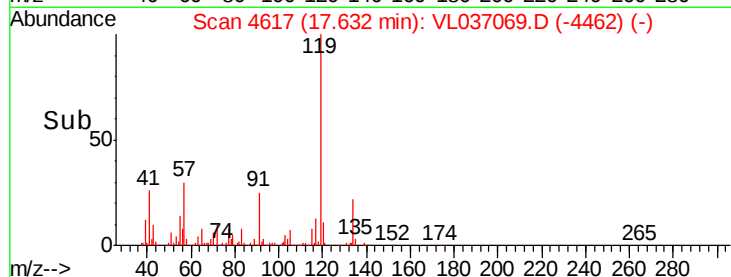
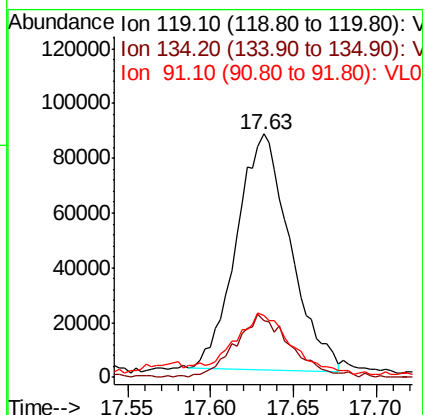
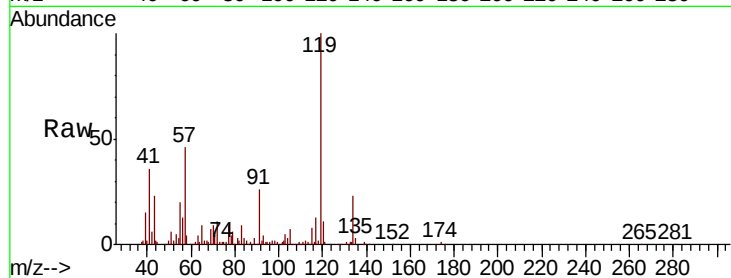




#69  
p-Isopropyltoluene  
Concen: 0.260 ppbv  
RT: 17.63 min Scan# 4617  
Delta R.T. -0.00 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

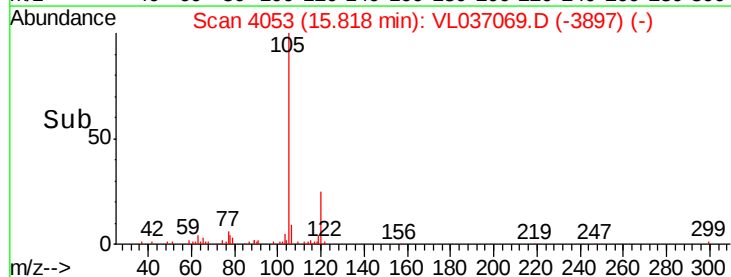
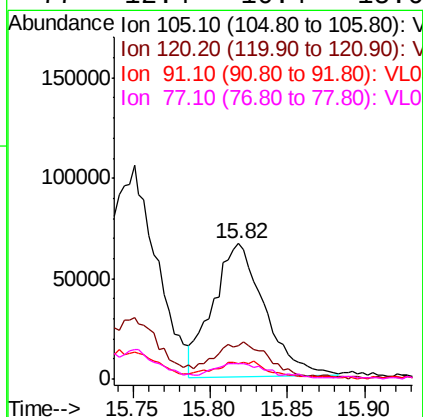
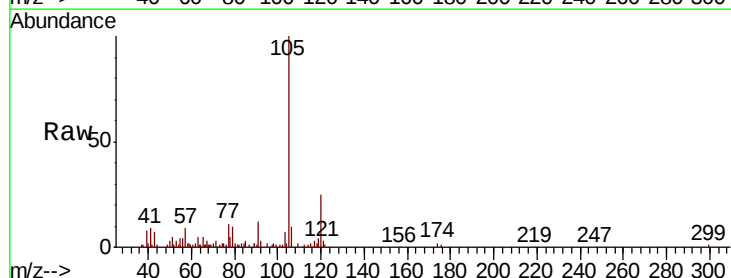
Instrument :  
MSVOA\_L  
ClientSampled :

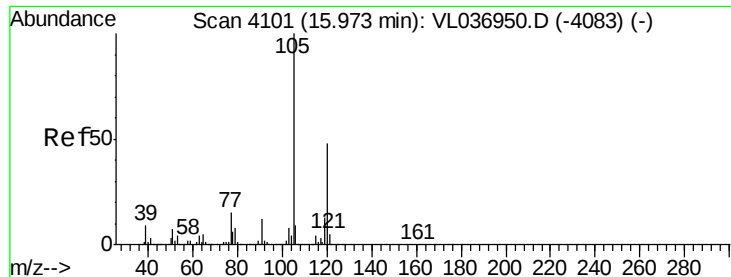
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.7  | 21.2  | 31.8  |
| 91      | 34.8  | 22.2  | 33.4  |



#72  
4-Ethyltoluene  
Concen: 0.265 ppbv  
RT: 15.82 min Scan# 4053  
Delta R.T. 0.00 min  
Lab File: VL037069.D  
Acq: 1 Jun 2021 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 32.1  | 24.6  | 37.0  |
| 91      | 14.7  | 9.8   | 14.6  |
| 77      | 12.4  | 10.4  | 15.6  |





#73

1,3,5-Trimethylbenzene

Concen: 0.070 ppbv

RT: 15.97 min Scan# 4099

Delta R.T. -0.01 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

Instrument :

MSVOA\_L

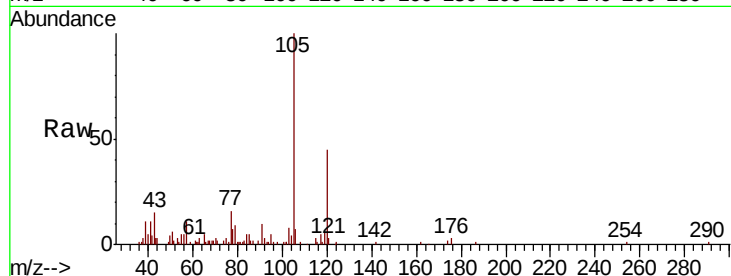
ClientSampleId :

Tot Ion:105 Resp: 38348

Ion Ratio Lower Upper

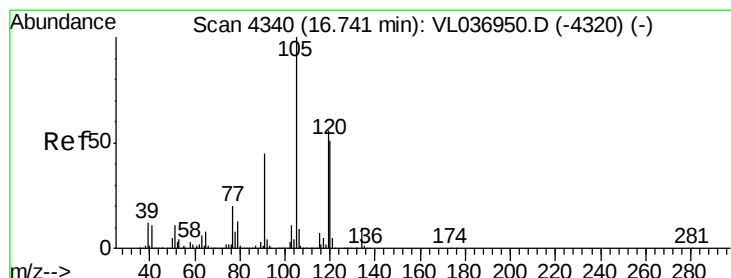
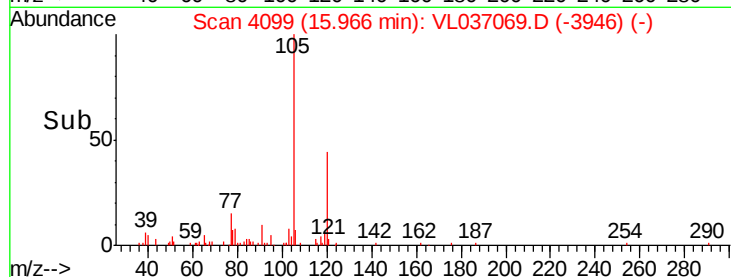
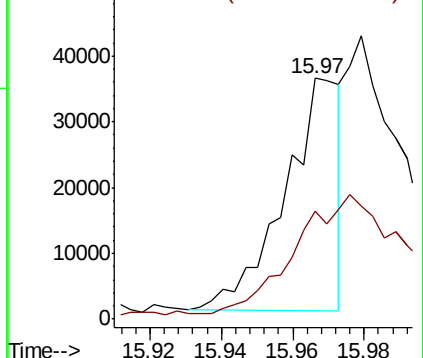
105 100

120 47.9 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.582 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037069.D

Acq: 1 Jun 2021 14:27

Tgt Ion:105 Resp: 329799

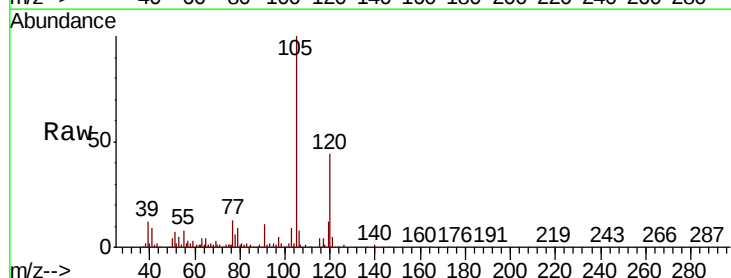
Ion Ratio Lower Upper

105 100

120 43.0 40.6 61.0

91 9.3 37.4 56.0#

77 11.7 16.2 24.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

